

WEST Search History

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DATE: Friday, April 30, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,EPAB,JPAB,TDBD; PLUR=NO; OP=OR</i>			
<input type="checkbox"/>	L7	(6098093' '4837798' '6697964' '6507817' '6052367' '6578000' '6490564' '6501956' '6711618' '6269336' '5907598' '6169545' '6366651' '6055424' '6141724' '6253193' '5884032')!.PN,TBAN,WKU.	17
<i>DB=USPT; PLUR=NO; OP=OR</i>			
<input type="checkbox"/>	L6	6098093.pn.	1
<input type="checkbox"/>	L5	4837798.pn.	1
<input type="checkbox"/>	L4	4837798.pn.	1
<i>DB=PGPB,USPT,EPAB,JPAB,TDBD; PLUR=NO; OP=OR</i>			
<input type="checkbox"/>	L3	L2 and l1 and user\$3	8
<input type="checkbox"/>	L2	(voice adj application\$2) and HTML (6101472 5907598 6430177 6490564 6507817 6578000 6697964 6085120 5964836 5737560 5859972 5859971 5867661 5877767 5878213 5940593 5754774 6003087 6023684 6052367 6222838 6222838 5974443 6208642	175
<input type="checkbox"/>	L1	6480484 6501956 6594348 6711618 5892909 6148329 6212535 6212535 6101526 6108687 6108406 6144667 6230205 6301245 6404762 6654722 6229534 5956736 6049664 6052710 6101509 6182129 5995756 6064977 6175864 6115040).pn.	48

END OF SEARCH HISTORY

Hit List

[Clear] **[Generate Collection]** **[Print]** **[Fwd Refs]** **[Bkwd Refs]**
[Generate OACS]

Search Results - Record(s) 1 through 8 of 8 returned.

1. Document ID: US 6711618 B1

L3: Entry 1 of 8

File: USPT

Mar 23, 2004

US-PAT-NO: 6711618

DOCUMENT-IDENTIFIER: US 6711618 B1

TITLE: Apparatus and method for providing server state and attribute management for voice enabled web applications

DATE-ISSUED: March 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Danner; Ryan Alan	Richmond	VA		
Martin; Steven J.	Richmond	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 461191 [PALM]

DATE FILED: December 15, 1999

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims priority from provisional application No. 60/152,316, filed Sep. 3, 1999, the disclosure of which is incorporated in its entirety herein by reference.

INT-CL: [07] G06 F 15/16

US-CL-ISSUED: 709/228; 709/203

US-CL-CURRENT: 709/228; 709/203

FIELD-OF-SEARCH: 709/203, 709/228, 709/227, 709/223, 709/250, 707/9, 714/4

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4837798</u>	June 1989	Cohen et al.	

<u>6098093</u>	August 2000	Bayeh et al.	709/203
<u>6178457</u>	January 2001	Pitchford et al.	709/228
<u>6539494</u>	March 2003	Abramson et al.	714/4
<u>2001/0011274</u>	August 2001	Klug et al.	707/9
<u>2002/0169820</u>	November 2002	Sayan et al.	709/203

OTHER PUBLICATIONS

Extensible Markup Language (XML) 1.0, World Wide Web Consortium, Feb. 10, 1998.*
 XML in 10 points, Mar. 27, 1999, 3 pages, BERT BOS.

ART-UNIT: 2154

PRIMARY-EXAMINER: Maung; Zarni

ATTY-AGENT-FIRM: Turkevich; Leon R.

ABSTRACT:

A unified web-based voice messaging system provides voice application control between a web browser and an application server via an hypertext transport protocol (HTTP) connection on an Internet Protocol (IP) network. The application server generates and maintains a server-side data record, also referred to as a "brownie", that includes application state information and user attribute information for an identified user session with the web browser. The application server, in response to receiving a new web page request from the browser, initiates a web application instance to begin a transient application session with the browser. The brownie also includes a session identifier that uniquely identifies session with the user of the application session. The application server stores the brownie in a memory resident within the server side of the network, and sends to the browser the session identifier and the corresponding web page requested by the web browser.

36 Claims, 6 Drawing figures

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw](#) De

2. Document ID: US 6697964 B1

L3: Entry 2 of 8

File: USPT

Feb 24, 2004

US-PAT-NO: 6697964

DOCUMENT-IDENTIFIER: US 6697964 B1

TITLE: HTTP-based load generator for testing an application server configured for dynamically generating web pages for voice enabled web applications

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dodrill; Lewis Dean	Richmond	VA		
Nayak; Narasimha	Glen Allen	VA		
Danner; Ryan Alan	Glen Allen	VA		

Martin; Steven J. Richmond VA

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 534121 [PALM]

DATE FILED: March 23, 2000

INT-CL: [07] G06 F 11/00

US-CL-ISSUED: 714/38; 709/200, 709/203, 709/217

US-CL-CURRENT: 714/38; 709/200, 709/203, 709/217

FIELD-OF-SEARCH: 714/38, 709/203, 709/200, 709/223, 709/217, 709/513, 707/1,
707/10, 707/513, 370/352, 370/428, 713/201, 705/35, 705/51

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>5940472</u>	August 1999	Newman et al.	379/10.02
<u>5974443</u>	October 1999	Jeske	709/202
<u>6119247</u>	September 2000	House et al.	714/38
<u>6181691</u>	January 2001	Markgraf et al.	370/352
<u>6269330</u>	July 2001	Cidon et al.	714/43
<u>6314402</u>	November 2001	Monaco et al.	704/275
<u>6353608</u>	March 2002	Cullers et al.	370/352
<u>6456699</u>	September 2002	Burg et al.	379/88.17
<u>6490564</u>	December 2002	Dodrill et al.	704/275

OTHER PUBLICATIONS

Microsoft Press Computer Dictionary, 1997, Microsoft Press, Third Edition, pp. 422, 423 and 461.*

Gladstone, "testing Computer-Telephony Systems and Networks", 1.sup.st. Ed., Flatiron Publishing, Inc., Sep. 1994, pp. 51-59.

ART-UNIT: 2184

PRIMARY-EXAMINER: Beausoliel; Robert

ASSISTANT-EXAMINER: Maskulinski; Michael

ATTY-AGENT-FIRM: Turkevich; Leon R.

ABSTRACT:

A testing system for an application server configured for providing a unified web-based voice messaging system using voice application control between a web browser via an hypertext transport protocol (HTTP) connection. The testing system is

configured for outputting HTTP-based application-specific requests to the application server based on execution of prescribed scripts that specify generation of the application-specific requests according to the state-aware application. Each script specifies parameters for a prescribed sequence of requests for a prescribed application operation for the application server, enabling the load generator to provide a sequence of requests, simulating the sequence of requests that would normally be sent by a user of the application server during a user application session. The testing system also includes a HTTP-based user interface that enables a user to select the scripts, as well as the number of instances for simultaneous execution of the selected number of iterations.

35 Claims, 8 Drawing figures

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUBC](#) | [Drawn D](#)

3. Document ID: US 6578000 B1

L3: Entry 3 of 8

File: USPT

Jun 10, 2003

US-PAT-NO: 6578000

DOCUMENT-IDENTIFIER: US 6578000 B1

TITLE: Browser-based arrangement for developing voice enabled web applications using extensible markup language documents

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dodrill; Lewis Dean	Richmond	VA		
Joshi; Satish	Glen Allen	VA		
Danner; Ryan Alan	Glen Allen	VA		
Barban; Susan Harrow	Midlothian	VA		
Martin; Steven J.	Richmond	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 559637 [PALM]

DATE FILED: April 28, 2000

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims priority from provisional application No. 60/152,316, filed Sep. 3, 1999, the disclosure of which is incorporated in its entirety herein by reference.

INT-CL: [07] G10 L 21/06

US-CL-ISSUED: 704/270; 704/270.1, 704/275

US-CL-CURRENT: 704/270; 704/270.1, 704/275

FIELD-OF-SEARCH: 704/270, 704/270.1, 704/275, 345/24, 705/52, 707/513

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4837798</u>	June 1989	Cohen et al.	
<u>6057835</u>	May 2000	Sato et al.	345/24
<u>6073143</u>	June 2000	Nishikawa et al.	707/513
<u>6253193</u>	June 2001	Ginter et al.	705/52
<u>6269336</u>	July 2001	Ladd et al.	704/270

OTHER PUBLICATIONS

Bos, "XML in 10 Points", W3.org (Aug. 26, 1999).
Hartman et al ("VoiceXML Builder: A Workbench for Investigating Voiced-Based Applications", 31st Annual Frontiers in Education Conference, Oct. 2001).*
Danielsen ("The Promise of a Voice-Enabled Web", article in Computer magazine, pp. 104-106, Aug. 2000).

ART-UNIT: 2655

PRIMARY-EXAMINER: To; Doris H.

ASSISTANT-EXAMINER: Nolan; Daniel A.

ATTY-AGENT-FIRM: Turkevich; Leon R.

ABSTRACT:

A unified web-based voice messaging system provides voice application control between a web browser and an application server via an hypertext transport protocol (HTTP) connection on an Internet Protocol (IP) network. The application server executes the voice-enabled web application by runtime execution of a first set of extensible markup language (XML) documents that define the voice-enabled web application to be executed. The application server generates an HTML form specifying selected application parameters from an XML document executable by the voice application. The HTML form is supplied to a browser, enabling a user of the browser to input or modify application parameters for the corresponding XML document into the form. The application server inserts the received input application parameters into the XML document, and stores the document.

22 Claims, 7 Drawing figures

Full Title Citation Front Review Classification Date Reference Drawings Attachments Claims KWMC Drawn D

4. Document ID: US 6507817 B1

L3: Entry 4 of 8

File: USPT

Jan 14, 2003

US-PAT-NO: 6507817

DOCUMENT-IDENTIFIER: US 6507817 B1

** See image for Certificate of Correction **

TITLE: Voice IP approval system using voice-enabled web based application server

DATE-ISSUED: January 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolfe; William M.	Santa Monica	CA		
Dodrill; Lewis Dean	Richmond	VA		
Danner; Ryan Alan	Glen Allen	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 604657 [PALM]

DATE FILED: June 27, 2000

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims priority from provisional application No. 60/152,316, filed Sep. 3, 1999, the disclosure of which is incorporated in its entirety herein by reference.

INT-CL: [07] G10 L 13/08, G10 L 21/06, G06 F 17/21

US-CL-ISSUED: 704/260; 704/270.1, 704/275, 707/513

US-CL-CURRENT: 704/260; 704/270.1, 704/275, 715/513

FIELD-OF-SEARCH: 704/258-275, 345/448-473, 707/513, 707/5, 358/407

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4837798</u>	June 1989	Cohen et al.	
<u>5907598</u>	May 1999	Mandalia et al.	358/407
<u>6064977</u>	May 2000	Haverstock et al.	707/513
<u>6169545</u>	January 2001	Gallery et al.	345/748
<u>6212535</u>	April 2001	Weikart et al.	707/513
<u>6249291</u>	June 2001	Popp et al.	345/473
<u>6253193</u>	June 2001	Ginter et al.	705/52
<u>6301245</u>	October 2001	Luzeski et al.	370/352
<u>6321220</u>	November 2001	Dean et al.	707/5
<u>6366651</u>	April 2002	Griffith et al.	704/260

OTHER PUBLICATIONS

Severance ("Could LDAP be the next killer DAP?", Computer magazine, Aug. 1997).*
Lazzaro ("Helping the Web help the disabled", IEEE Spectrum magazine, Mar. 1999).*
Bos, "XML in 10 Points", W3.org (Aug. 26, 1999).

ART-UNIT: 2641

PRIMARY-EXAMINER: Dorvil; Richemond

ASSISTANT-EXAMINER: Nolan; Daniel A.

ATTY-AGENT-FIRM: Turkevich; Leon R. Stemberger; Edward J.

ABSTRACT:

A web-based voice messaging system uses an application server, configured for executing a voice application defined by XML documents, that accesses subscriber attributes from a standardized information database server (such as LDAP), and messages from a standardized messaging server (such as IMAP). The application server, upon receiving a request from a browser serving a subscriber, accesses an IP based messaging server to obtain a stored message for the subscriber from a second party. The stored message identifies a text-based form. The application server converts the text-based form into an audible format. The application server generates an HTML document to present to the subscriber the form in audible format with audible prompts, based on the HTTP request and the text-based form. The application server then updates the text-based form based on an input from the subscriber. Thus, text-based forms can be retrieved and acted on via a telephone.

30 Claims, 4 Drawing figures

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachment](#) | [Claims](#) | [KWC](#) | [Drawn D](#)

5. Document ID: US 6501956 B1

L3: Entry 5 of 8

File: USPT

Dec 31, 2002

US-PAT-NO: 6501956

DOCUMENT-IDENTIFIER: US 6501956 B1

** See image for Certificate of Correction **

TITLE: Providing blended interface for wireless information services

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weeren; Eric	Plano	TX		
Watson; Mike	Frisco	TX		
Wilson; Daren	McKinney	TX		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
InterVoice Limited Partnership	Dallas	TX			02

APPL-NO: 09/ 690775 [PALM]
DATE FILED: October 17, 2000

INT-CL: [07] H04 M 3/00

US-CL-ISSUED: 455/463; 455/414
US-CL-CURRENT: 455/463; 455/414.2

FIELD-OF-SEARCH: 455/414, 455/418, 455/466, 455/563, 455/566, 370/349, 370/389

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>5732216</u>	March 1998	Logan et al.	704/201
<u>6128482</u>	October 2000	Nixon et al.	379/354
<u>6167255</u>	December 2000	Kennedy et al.	455/404

ART-UNIT: 2684

PRIMARY-EXAMINER: Le; Thanh Cong

ASSISTANT-EXAMINER: Corsaro; Nick

ATTY-AGENT-FIRM: Fulbright & Jaworski L.L.P.

ABSTRACT:

The inventive system provides a user interface between a wireless communication device and an information service provider. The interface allows for a blended presentation of information and calling services for implementing an information service to a user of a wireless communication device. The user establishes an initial connection with a data network server to receive a particular service. The data network server sends a set of wireless protocol instructions to the user's mobile device. Based on these instructions, the mobile device will display information to the user which can be used to select a particular service. While preferably presenting a continuous display to the user, the wireless protocol instructions initiate a communication connection between the mobile device and a voice server with speech recognition capabilities. Depending on the service selected and identification of the user by whatever means, including call signals, the voice will run a particular voice application which interacts verbally with the user to perform the desired service allowing the user to control the service without the necessity of entering data or information using the keypad on the mobile device. After receiving the necessary input data from the user, the voice application will obtain the information responsive to the service request. The information is translated into a wireless application protocol and sent to the data network server where it is then available to be sent to the user's mobile device to complete the service. The communication connection is then terminated after which the data network connection will be reestablished to facilitate receiving the requested information. The user's mobile device can then display the resulting information to the user. As seen by the user, there is a continuous connection with the selected service from the initial receipt of the wireless protocol instructions to the final receipt of the requested information. Thus, the user is presented a blended data and voice interface for access to the information service.

41 Claims, 8 Drawing figures

6. Document ID: US 6490564 B1

L3: Entry 6 of 8

File: USPT

Dec 3, 2002

US-PAT-NO: 6490564

DOCUMENT-IDENTIFIER: US 6490564 B1

TITLE: Arrangement for defining and processing voice enabled web applications using extensible markup language documents

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dodrill; Lewis Dean	Richmond	VA		
Ravishankar; Geetha	Glen Allen	VA		
Joshi; Satish	Glen Allen	VA		
Basil; Keith M.	Norfolk	VA		
Danner; Ryan Alan	Glen Allen	VA		
Martin; Steven J.	Richmond	VA		
Ravishankar; Swaminathan	Glen Allen	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 501516 [PALM]

DATE FILED: February 9, 2000

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application claims priority from provisional application No. 60/152,316, filed Sep. 3, 1999, the disclosure of which is incorporated in its entirety herein by reference.

INT-CL: [07] G10 L 21/06, G06 F 9/30, G06 F 9/44

US-CL-ISSUED: 704/275; 704/270.1, 717/114, 709/310

US-CL-CURRENT: 704/275; 704/270.1, 717/114, 719/310

FIELD-OF-SEARCH: 704/275, 704/270, 704/260, 704/243, 455/414, 705/52, 345/24, 717/107

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4837798</u>	June 1989	Cohen et al.	
<u>6055424</u>	April 2000	Tornqvist et al.	455/414
<u>6057835</u>	May 2000	Sato et al.	345/24

<u>6141724</u>	October 2000	Butler et al.	717/107
<u>6253193</u>	June 2001	Ginter et al.	705/52
<u>6385583</u>	May 2002	Ladd et al.	704/275

OTHER PUBLICATIONS

Hartman et al ("VoiceXML Builder: A Workbench for Investigating Voiced-Based Applications", 31st Annual Frontiers in Education Conference, Oct. 2001).
Danielsen ("The Promise of a Voice-Enabled Web", article in Computer magazine, pp. 104-106, Aug. 2000).
BOS, "XML in 10 Points", W3.org (Aug. 26, 1999).

ART-UNIT: 2654

PRIMARY-EXAMINER: Dorvil; Richemond

ASSISTANT-EXAMINER: Nolan; Daniel

ATTY-AGENT-FIRM: Turkevich; Leon R.

ABSTRACT:

A unified web-based voice messaging system provides voice application control between a web browser and an application server via an hypertext transport protocol (HTTP) connection on an Internet Protocol (IP) network. The application server executes the voice-enabled web application by runtime execution of extensible markup language (XML) documents that define the voice-enabled web application to be executed. Each voice application operation can be defined as any one of a user interface operation, a logic operation, or a function operation. Each XML document includes XML tags that specify the user interface operation, the logic operation and/or the function operation to be performed within a corresponding voice application operation, the XML tags being based on prescribed rule sets that specify the executable functions to be performed by the application runtime environment.

48 Claims, 15 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	<u>Sequences</u>	<u>Attachments</u>	Claims	KWIC	Drawn D
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 7. Document ID: US 6208642 B1

L3: Entry 7 of 8

File: USPT

Mar 27, 2001

US-PAT-NO: 6208642

DOCUMENT-IDENTIFIER: US 6208642 B1

TITLE: Architecture independent application invocation over a telephony network

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Balachandran; Shridharan	Garland	TX		
Kaippallimalil; John	Dallas	TX		

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ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Ericsson INC	Research Triangle Park	NC			02

APPL-NO: 08/ 994861 [PALM]
 DATE FILED: December 19, 1997

INT-CL: [07] H04 M 7/00

US-CL-ISSUED: 370/385; 379/229
 US-CL-CURRENT: 370/385; 379/229

FIELD-OF-SEARCH: 370/384, 370/385, 370/400, 370/401, 370/355, 370/352, 370/259,
 370/410, 370/522, 379/230, 379/231, 379/89, 379/207, 379/229, 379/204, 379/205,
 379/93.09, 379/220

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4899373</u>	February 1990	Lee et al.	379/207
<u>5212789</u>	May 1993	Rago	
<u>5377186</u>	December 1994	Wegner et al.	
<u>5418844</u>	May 1995	Morrisey et al.	379/207
<u>5515427</u>	May 1996	Carlsen et al.	379/220
<u>5517562</u>	May 1996	McConnell	379/202
<u>5541986</u>	July 1996	Hou	379/201
<u>5602991</u>	February 1997	Berteau	395/200.01
<u>5748710</u>	May 1998	Lautenschlager	379/88
<u>5812639</u>	September 1998	Bartholomew et al.	379/89
<u>5850433</u>	December 1998	Rondeau	379/201
<u>5889848</u>	March 1999	Cookson	379/230
<u>5898839</u>	April 1999	Berteau	395/200.57
<u>5930700</u>	July 1999	Pepper et al.	455/414
<u>5953399</u>	August 1999	Farris et al.	379/201
<u>5974252</u>	October 1999	Lin et al.	395/701
<u>6058175</u>	May 2000	Schultz	379/201
<u>6088434</u>	July 2000	Kasrai	379/201

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 669 748 A2	February 1995	EP	
WO 97/22212	June 1997	WO	

OTHER PUBLICATIONS

DGM&S Telecom, The Programmable Network.TM., White Paper, Jun. '97.

h e b b g e e e f e f e ch e

Modarressi & Skoog, An overview of Signaling System No. 7, IEEE, Proceedings of the IEEE, vol. 80, No. 4, Apr. 1992, pp. 425-441.

ART-UNIT: 261

PRIMARY-EXAMINER: Olms; Douglas

ASSISTANT-EXAMINER: Vanderpuye; Ken

ATTY-AGENT-FIRM: Jenkens & Gilchrist

ABSTRACT:

A telephony network that includes a signaling system that provides intelligent network services. The signaling system includes a service control point that interfaces with an application database. The application database includes subscriber defined applications that are associated with an application code. The signaling system includes a service switching point in communication with the service control point through one or more signaling transfer points. Subscribers to the service may communicate through voice traffic and applications over a call connection. The applications may reside in the application database or in a subscriber. A subscriber may utilize a network computer to retrieve platform independent applications and associated initiate applications for execution in a highly secure environment.

35 Claims, 6 Drawing figures

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Examiner](#) | [Attachment](#) | [Claims](#) | [KWMC](#) | [Drawn](#) | [De](#)

8. Document ID: US 6052367 A

L3: Entry 8 of 8

File: USPT

Apr 18, 2000

US-PAT-NO: 6052367

DOCUMENT-IDENTIFIER: US 6052367 A

TITLE: Client-server system

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowater; Ronald John	Romsey			GB
Cobbett; Michael	Eastleigh			GB
Porter; Lawrence Leon	Lyndhurst			GB
Staton; Mervyn Anthony	Sunnyvale	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corp.	Armonk	NY				02

APPL-NO: 08/ 777723 [PALM]
DATE FILED: December 20, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	9526663	December 29, 1995

INT-CL: [07] H04 L 12/66

US-CL-ISSUED: 370/352; 709/203

US-CL-CURRENT: 370/352; 709/203

FIELD-OF-SEARCH: 370/351, 370/352-356, 370/428, 370/429, 379/93-100, 379/88, 379/89, 379/90, 395/200.3, 395/200.31, 395/200.32, 395/200.33, 709/203, 709/200

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>5608786</u>	March 1997	Gordon	379/100
<u>5675507</u>	October 1997	Bobo, II	364/514R
<u>5764910</u>	June 1998	Shachar	395/200.53
<u>5802518</u>	September 1998	Karaev et al.	707/9
<u>5884032</u>	March 1999	Bateman et al.	395/200.34

ART-UNIT: 278

PRIMARY-EXAMINER: Patel; Ajit

ATTY-AGENT-FIRM: Herndon; Jerry W.

ABSTRACT:

Using the Internet World Wide Web (WWW) network 320, a WWW Client 310 can communicate with a WWW Server 330 to request the reconfiguration of or to generate software which controls a voice processing application. A voice response system client communicates with a voice response system server to alter the configuration of the voice response system or control the execution of software on said voice response system which enables a voice application program to be generated. The output of the voice response system ordinarily destined for display on a visual display unit of a local terminal is directed to the voice response system server. The voice response system server forwards the data to a voice response system client. The voice response system client generates data in a first format useable by said WWW client terminal from data in a second format received from said voice response system and generates data in said second format useable by said voice response system from data in said first format received from WWW client terminal, that is, the voice response system client dynamically generates HTML data from the data generated by the voice response system for transmission to and subsequent display at the WWW client terminal and visa versa.

4 Claims, 7 Drawing figures

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Terms	Documents
L2 and L1 and user\$3	8

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Search Results - Record(s) 1 through 17 of 17 returned.

L7: Entry 1 of 17

File: USPT

Mar 23, 2004

US-PAT-NO: 6711618

DOCUMENT-IDENTIFIER: US 6711618 B1

TITLE: Apparatus and method for providing server state and attribute management for voice enabled web applications

DATE-ISSUED: March 23, 2004

US-CL-CURRENT: 709/228; 709/203INT-CL: [07] G06 F 15/16

L7: Entry 2 of 17

File: USPT

Feb 24, 2004

US-PAT-NO: 6697964

DOCUMENT-IDENTIFIER: US 6697964 B1

TITLE: HTTP-based load generator for testing an application server configured for dynamically generating web pages for voice enabled web applications

DATE-ISSUED: February 24, 2004

US-CL-CURRENT: 714/38; 709/200, 709/203, 709/217INT-CL: [07] G06 F 11/00

L7: Entry 3 of 17

File: USPT

Jun 10, 2003

US-PAT-NO: 6578000

DOCUMENT-IDENTIFIER: US 6578000 B1

TITLE: Browser-based arrangement for developing voice enabled web applications using extensible markup language documents

DATE-ISSUED: June 10, 2003

US-CL-CURRENT: 704/270; 704/270.1, 704/275INT-CL: [07] G10 L 21/06

L7: Entry 4 of 17

File: USPT

Jan 14, 2003

US-PAT-NO: 6507817

DOCUMENT-IDENTIFIER: US 6507817 B1

**** See image for Certificate of Correction ****

TITLE: Voice IP approval system using voice-enabled web based application server

DATE-ISSUED: January 14, 2003

US-CL-CURRENT: 704/260; 704/270.1, 704/275, 715/513

INT-CL: [07] G10 L 13/08, G10 L 21/06, G06 F 17/21

L7: Entry 5 of 17

File: USPT

Dec 31, 2002

US-PAT-NO: 6501956

DOCUMENT-IDENTIFIER: US 6501956 B1

** See image for Certificate of Correction **

TITLE: Providing blended interface for wireless information services

DATE-ISSUED: December 31, 2002

US-CL-CURRENT: 455/463; 455/414.2

INT-CL: [07] H04 M 3/00

L7: Entry 6 of 17

File: USPT

Dec 3, 2002

US-PAT-NO: 6490564

DOCUMENT-IDENTIFIER: US 6490564 B1

TITLE: Arrangement for defining and processing voice enabled web applications using extensible markup language documents

DATE-ISSUED: December 3, 2002

US-CL-CURRENT: 704/275; 704/270.1, 717/114, 719/310

INT-CL: [07] G10 L 21/06, G06 F 9/30, G06 F 9/44

L7: Entry 7 of 17

File: USPT

Apr 2, 2002

US-PAT-NO: 6366651

DOCUMENT-IDENTIFIER: US 6366651 B1

TITLE: Communication device having capability to convert between voice and text message

DATE-ISSUED: April 2, 2002

US-CL-CURRENT: 379/88.14; 379/100.13, 379/67.1, 379/88.13, 379/88.18, 704/258,
704/260

INT-CL: [07] H04 M 1/64, H04 M 11/00, G10 L 13/06

L7: Entry 8 of 17

File: USPT

Jul 31, 2001

US-PAT-NO: 6269336

DOCUMENT-IDENTIFIER: US 6269336 B1

TITLE: Voice browser for interactive services and methods thereof

DATE-ISSUED: July 31, 2001

US-CL-CURRENT: 704/270; 379/88.13

INT-CL: [07] G10 L 21/00, G06 F 15/00

L7: Entry 9 of 17

File: USPT

Jun 26, 2001

US-PAT-NO: 6253193

DOCUMENT-IDENTIFIER: US 6253193 B1

** See image for Certificate of Correction **

TITLE: Systems and methods for the secure transaction management and electronic rights protection

DATE-ISSUED: June 26, 2001

US-CL-CURRENT: 705/57; 705/52

INT-CL: [07] H04 L 9/32

L7: Entry 10 of 17

File: USPT

Jan 2, 2001

US-PAT-NO: 6169545

DOCUMENT-IDENTIFIER: US 6169545 B1

TITLE: Data management within a virtual environment browser

DATE-ISSUED: January 2, 2001

US-CL-CURRENT: 345/748

INT-CL: [07] G06 F 3/00

L7: Entry 11 of 17

File: USPT

Oct 31, 2000

US-PAT-NO: 6141724

DOCUMENT-IDENTIFIER: US 6141724 A

TITLE: Remote application design

DATE-ISSUED: October 31, 2000

US-CL-CURRENT: 717/107; 717/118

INT-CL: [07] G06 F 9/445

L7: Entry 12 of 17

File: USPT

Aug 1, 2000

US-PAT-NO: 6098093

DOCUMENT-IDENTIFIER: US 6098093 A

TITLE: Maintaining sessions in a clustered server environment

DATE-ISSUED: August 1, 2000

US-CL-CURRENT: 709/203; 709/200, 709/238, 709/250

INT-CL: [07] G06 F 13/38, G06 F 15/17

L7: Entry 13 of 17

File: USPT

Apr 25, 2000

US-PAT-NO: 6055424

DOCUMENT-IDENTIFIER: US 6055424 A

TITLE: Intelligent terminal application protocol

DATE-ISSUED: April 25, 2000

US-CL-CURRENT: 455/414.4; 455/418

INT-CL: [07] H04 B 1/00

L7: Entry 14 of 17

File: USPT

Apr 18, 2000

US-PAT-NO: 6052367

DOCUMENT-IDENTIFIER: US 6052367 A

TITLE: Client-server system

DATE-ISSUED: April 18, 2000

US-CL-CURRENT: 370/352; 709/203

INT-CL: [07] H04 L 12/66

L7: Entry 15 of 17

File: USPT

May 25, 1999

US-PAT-NO: 5907598

DOCUMENT-IDENTIFIER: US 5907598 A

TITLE: Multimedia web page applications for AIN telephony

DATE-ISSUED: May 25, 1999

US-CL-CURRENT: 379/100.01; 358/407, 379/100.17

INT-CL: [06] H04 M 11/00

L7: Entry 16 of 17

File: USPT

Mar 16, 1999

US-PAT-NO: 5884032

DOCUMENT-IDENTIFIER: US 5884032 A

** See image for Certificate of Correction **

TITLE: System for coordinating communications via customer contact channel changing

system using call centre for setting up the call between customer and an available help agent

DATE-ISSUED: March 16, 1999

US-CL-CURRENT: 709/204; 370/356, 379/209.01, 379/216.01, 379/265.09, 709/206,
709/227

INT-CL: [06] G06 F 17/27, G06 F 3/14, G06 F 13/14

L7: Entry 17 of 17

File: USPT

Jun 6, 1989

US-PAT-NO: 4837798

DOCUMENT-IDENTIFIER: US 4837798 A

**** See image for Certificate of Correction ****

TITLE: Communication system having unified messaging

DATE-ISSUED: June 6, 1989

US-CL-CURRENT: 379/88.14; 379/396, 379/88.11, 379/88.12, 379/88.26, 379/93.15

INT-CL: [04] H04M 1/00, H04M 3/50, H04M 11/00

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